

EUROPEAN PATENT OFFICE

Patent Abstracts of Japan

PUBLICATION NUMBER : 05342570
PUBLICATION DATE : 24-12-93

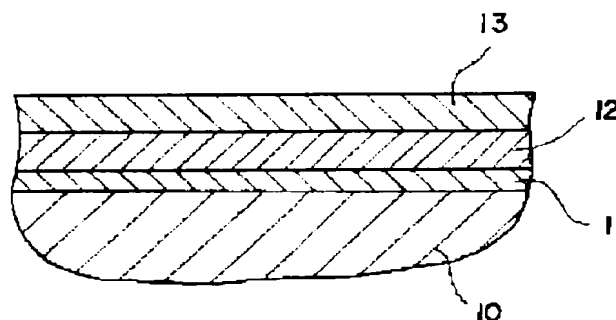
APPLICATION DATE : 04-06-92
APPLICATION NUMBER : 04144100

APPLICANT : HITACHI LTD;

INVENTOR : ISHIHARA HEIGO;

INT.CL. : G11B 5/842 G11B 5/71

TITLE : PRODUCTION OF MAGNETIC
RECORDING MEDIUM AND MAGNETIC
RECORDING MEDIUM



ABSTRACT : PURPOSE: To smooth the contact with a head and to enhance durability by forming a lubricative layer on a magnetic recording layer with superfine particles of three-dimensional carbon molecules or a mixture of the carbon molecules with a lubricant.

CONSTITUTION: A magnetic disk is composed of a substrate 10, an underlayer 11 formed on the substrate 10, a magnetic recording layer 12 stuck on the underlayer 11 and a lubricative layer 13 covering the magnetic recording layer 12. The lubricative layer 13 is formed with only three-dimensional carbon molecules, or a mixture of the carbon molecules with a lubricant or a layer of the carbon molecules and a lubricant applied to the surface of the layer. The particle diameter of the three-dimensional carbon molecules and/or that of the mixture are regulated to 0.1-3.0 μ m. The three-dimensional carbon molecules are preferably soccer ball-shaped three-dimensional hollow molecules C60 or rugby ball-shaped three-dimensional hollow molecules C70. Lubricity is enhanced and the entire magnetic recording layer is surely maintained.

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